

LUB-100-A
5816.002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Edward B. Kollin Examiner: Justin R. Fischer
Serial No: 10/759,450 Art Unit: 1733
Filing Date: January 16, 2004
Title: LUBRICANTS FOR RUN-FLAT TIRE SYSTEMS
Our File: LUB-100-A

SUPPLEMENTAL AFFIDAVIT OF EDWARD B. KOLLIN

I, Edward B. Kollin, being first duly sworn, hereby state as follows:

1. I am the inventor of the subject matter of the above identified application.
2. I have previously executed an affidavit in connection herewith.
3. I am aware that the Examiner has requested further explanation and differentiation between the invention disclosed and claimed in my application and that disclosed in the Fricke reference.
4. The Fricke reference teaches a lubricant consisting essentially of a polyglycol and/or polyglycolether, a metal soap and a surfactant. However, the reference does not suggest any initial viscosity for the lubricant thereof.
5. Based upon my experience and expertise, I know that a mixture of a polyglycol or a polyglycolether, a metal soap and a surfactant can be admixed together to provide a lubricant which can have a viscosity well below 100,000 cps at 25° C., i.e. 10,000 cps at 25° C., as well as above 100,000 cps at 25° C. In other words, one can use these starting materials to form a lubricant having a viscosity extending over an extremely broad range.

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6. The lubricant of my invention requires a minimum initial viscosity of at least about 100,000 cps at 25° C. to remain intransient when deposited between the inner surface of a run-flat tire and the support ring thereof and must undergo temporary shear thinning upon contact therebetween and, then, after the removal of shear forces, return to substantially its starting viscosity.

Further affiant sayeth naught.


Edward B. Kollin